R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. DAY YEAR (9-14)	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2727	037	02 20 75	27AE	3603	7537

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0012	07	07	08	025	Y	NE	15

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
3	6C	SA	E	FT	151	—	10	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00097	0000	0000	00003

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3#4	3#5			PO	DO
START	36° 03'	75° 37'	1522	2996	12		0949	0951
							PU	ON
FINISH	36° 04'	75° 38'	1533	2999	10		1021	1025

LENGTH WARF	SHIFT RPM	PITCH	GEAR DATA:
75	1150/1275	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

BT Taken at beginning of Tow

OBSERVATIONS

Positive - Hardtail

Alewife (48 lbs)

Blueback (34 lbs)

R/V DAN MOORE SPECIES LIST

STA. NO. 2727 DATE 20 Feb 19 85 BIOLOGISTS BFH, ABP

TOT.CATCH WT. 100 Finfish: 97 Crust.: 0 Moll.: 0 Other 3

AIR 7.5 SURFACE 6.5 Bott. 7.0

Gannets ate many tagged fish

SPECIES	CODE	NUMBER	WEIGHT	DATA TAKEN	REMARKS
A. aestivalis		79	58		Tagged
A. pseudoharengus		206			Tagged
	UNREPRESENTATIVE SAMPLE				
A. aestivalis <		170	20		too small + few died while tagging
A. pseudoharengus		9	4		died while tagging
Morone saxatilis		2	0.32 kg		
Labrus bergylta		2	1.5 kg		
Centropristis striata		5	1.7 kg		
1. 24[illegible]					
2. [illegible]					
3. [illegible]					
4. 241 cr					
5. 238 cr					
6. 240 cr					
7. 235 cr					
8. 275 cr					
9. 228 cr					

Tot. wt.
Alewife = 48 #
Blueback = 34 #

Total weight of Alosids = 32 lbs

Educated guess
A. aestivalis = 44
A. pseudoharengus = 14

No way to establish weight of blueback and/or alewife that were tagged except by guess.

Educated guess (tagged fish wt)

Alewife 3/4 of 58 = 44

Blueback 1/4 of 58 = 14

Grid 27AE

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2727

Date 2/20/25

Area of Release 4 Mi NNE Kitty Hawk Mon. (3H4 1533, 3H5 2999)

LORAN Start 1522 (3H4) 2996 (3H5) 12 fms

Finish 1533 2999 10 fms

Tot. Fish Captured 464 (249 BB) (215 ALW) — 34 lbs, 48 lbs

Tot. Fish Tagged 285 (79 BB) (206 ALW)

No. Retained for analysis 9 Alewife

Gear Type 151' WING NET

TAG. NO.	Weight Lbs. Ozs.	F.L. (cm)	Species	Remarks
			Blueback herring (Alosa aestivalis)	26435 - 26450 (16)
	Broken	26490		26476 - 26500 (25)
				26501 - 26510 (10)
				SubTot = 51
ABP			Alewife (Alosa pseudoharengus)	26511 - 26525 (15)
				26526 - 26531 (6)
				Sub. Tot = 21
			Blue back (Alosa aestivalis)	26532 - 26550 (19)
	Broken	26453		26451 - 26461 (11)
				SubTot = 30
	21 Alewife			Grand Total = 102
ABP -	79 Blue back ; 2 broken			
				Total Tagged = (100)
			Alewife (Alosa aestivalis)	25959 - 25999 (50)
			Alewife (A. pseudoharengus)	27001 - 27025 (25)
				27500 - 27610 (111)
BFA				Total = 186
			Broken 25958	Broken: 1
				Total Tagged (185)
			Total Tagged 285	= 206 Alewife, 79 Blueback

Fork length frequency distribution for Alewife
(Alosa pseudoharengus)

STATION # 2727

RAISING FACTOR: 22.939

	Males		females	
	N	N (RAISING FACTOR)	N	N (RAISING FACTOR)
230-239.9	3	69		
240 -	3	69		
250 -			1	23
260 -				
270 -			1	23
280 -				
290 -				
300 -			1	23
	N=6	N=138	N=3	N=69

TOTAL N = 6

TOTAL N = ~~6~~ 207

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Species: Alewife (Alosa pseudoharengus)

Station #	Date	Grid	Fork Length (MM)	Sex	Scales	Age	Spawning Marks	Specimen #	Remarks
2727	2/20/75	27AE	242	♂	—	—	—	MW 4	
"	"	"	250	♀ (III)	—	—	—	5	
"	"	"	305	♀ (I)	—	—	—	6	
"	"	"	241	♂	—	—	—	7	
"	"	"	235	♂	—	—	—	8	
"	"	"	240	♂	—	—	—	9	
"	"	"	235	♂	—	—	—	10	
"	"	"	275	♀ III	—	—	—	11	
"	"	"	268	♂	—	—	—	12	
2726	2/20/75	27AF	240	♂	✓			13	

Species: Blueback herring (Alosa aestivalis)

Station #	Date	Grid	Fork Length (mm)	Sex	Scales	Age	Spawning Marks	Specimen #	Remarks
2727	2/20/25	27AE							

79 blueback Tagged

249 (34 lbs) of Bluebback herring captured

Unrepresentative because larger fish Tagged - see Alewife and catch records.

No blueback analized.